INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/28200

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A62D 3/00; C25F 1/00; C02F 1/46							
US CL: 588/204, 210, 227, 237, 243, 247; 204/263; 205/687, 746, 766, 770 According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) U.S.: 588/204, 210, 227, 237, 243, 247; 204/263; 205/687, 688, 701, 703, 746, 766, 770							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic da	ta base consulted during the international search (nam	e of data base and, where practicable, sear	ch terms used)				
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C. DOC	UMENTS CONSIDERED TO BE RELEVANT		·				
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.				
<u> </u>	US 5,952,542 A (STEELE) 14 September 1999 (14.		1-2, 4-15, 18-19, 21,				
		· ·	24-27, 31-35, 37-38,				
	·		41-49, 51-52, 54-58,				
			60-65, 67-72, 79, 84- 85, 87				
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	documents are listed in the continuation of Box C.	See patent family annex.					
• S	pecial categories of cited documents:	"T" later document published after the inte date and not in conflict with the applic	mational filing date or priority				
	defining the general state of the art which is not considered to be lar relevance	principle or theory underlying the inve	ntion -				
"E" 'éarlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone	ed to involve an inventive step				
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive step	when the document is				
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in the					
	document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed						
Date of the actual completion of the international search		Date of mailing of the international search report					
20 July 2004			AUG 2004				
Name and mailing address of the ISA/US		Authorized officer					
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Stanley Silverman III while					
P.O	. Box 1450 .	Telephone No. 571-272-1799	ν_{a}				
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			24-27, 31-32, 34-35, 37-38, 41-49, 51-58, 60-65, 67-72, 79, 84-87 1-2, 4-10, 13-15, 17-21, 24-27, 29-32, 34-52, 54-72, 74-75, 79,					
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